



TITLE:

變星課報告 第4號第1部(昭和15年度
前半)

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變星課報告 第4號 第1部 (昭和15年度前半)

REPORT of the VARIABLE STAR SECTION of the O. A. A. Members.

No. IV Part 1 (1940, Jan.~June)

觀測者表 List of Observers

觀測者 Observer	略號 Abbreviation	觀測地 Locality	經度 Longitude	緯度 Latitude	使用器械 Instruments	星數 Stars	目測數 Estimations
木邊 成磨 S. Kibe	Kb	滋賀縣中里村 Nakasato, Sigaken	^h ^m -9 04	[°] + 35.1	^{cm} 31, 2.5 N眼	3	10
小澤 喜一 K. Kazawa	Kz	名古屋市西萬町 Nisimantyo, Nagoya	-9 08	+ 35.2	25, 13	3	113
香掛 七二 S. Kutukake	Kk	長野縣青木村 Aokimura, Naganoken	-9 12	+ 36.4	10, 4	3	3
三宅 彰 A. Miyake	Ma	東京市中野 Nakano, Tokyo	-9 19	+ 35.7	N眼	2	19
三宅 和夫 K. Miyake	Mi	東京市中野 Nakano, Tokyo	-9 19	+ 35.7	N眼	2	15
岡林 滋樹 S. Okabayasi	Ob	岡山縣倉敷市 Kurasiki Obs. Okayamaken	-8 55	+ 34.5	32, 8 B 双鏡	20	113
太田 彬 A. Ōta	Ot	東京市神田 Kanda, Tokyo	-9 19	+ 35.7	3, 2 N眼	3	17
津留 繁雄 S. Turu	Tr	熊本市本莊町 Honsotyo, Kumamoto	-8 43	+ 32.5	13, 3 N眼	7	26
山田 達雄 T. Yamada	Yd	愛知縣犬山町 Inuyama, Aitiken	-9 08	+ 35.4	4, 3.5	7	35

觀測星一覽表 List of Stars Observed

星名 Star	觀測者 Observer	計 Total		星名 Star	觀測者 Observer	計 Total	
		人員 Observer	目測 Est.			人員 Observer	目測 Est.
RW Aur	Kk(1), Kz(54), Ob(24)	3	79	AG Aur	Ob(11)	1	18
UZ Aur	Ob(4)	1	4	RS Cnc	Ob(3), Ot(4), Yd(11)	3	11

V	CVn	Ot(4)	1	4	X	Mon	Ob(6)	1	6
γ	Cas	Ob(4), Ot(9)	2	13	RY	Mon	Kz(7), Ob(8)	2	15
RU	Cep	Tr(1)	1	1	RS	Oph	Ob(1)	1	1
α	Cet	Yd(3)	1	3	α	Ori	Kb(3), Ma(13), Mi(10)	3	26
T	Cet	Yd(4)	1	4	T	Ori	Tr(4)	1	4
R	CrB	Kk(1)	1	1	BL	Ori	Kb(4)	1	4
R	CrV	Ob(2), Tr(7)	2	9	CI	Ori	Ob(7)	1	7
W	Cyg	Yd(1)	1	1	L ²	Pup	Tr(1)	1	1
TT	Cyg	Ob(4)	1	4	RR	Sco	Ob(2)	1	2
R	Dra	Tr(1)	1	1	V380	Sco	Ob(2)	1	2
S	Dra	Ob(1)	1	1	R	Sc1	Ob(1)	1	1
TX	Dra	Tr(4)	1	4	R	Sct	Ob(1)	1	1
η	Gem	Ma(6), Mi(5), Tr(8)	3	19	Y	Tau	Yd(8)	1	8
V	Hya	Ob(5)	1	5	RR	Tau	Kz(52), Ob(11)	2	63
Y	Hya	Ob(4)	1	4	SU \downarrow	Tau	Kb(3), Kk(1)	2	4
R	Leo	Ob(12)	1	12	SW	Vir	Yd(2)	1	2
U	Mon	Yd(6)	1	6	計 Total		37 Stars		351

觀測結果概況 Observations

RW Aur 星(不規則)	9664.89	11.8	Kz	9690.94	11.0	Kz	9715.95	10.8	Kz
1940 I~VI(79 Est.)	66.89	10.6	"	92.01	11.1	"	16.95	10.9	"
242	67.91	11.0	"	94.93	11.3	"	23.93	11.0	"
9635.96	67.92	10.8	Kk	97.95	11.4	"	25.94	10.2	"
36.92	68.90	11.3	Kz	98.96	11.2	"	26.94	10.4	"
38.92	73.94	10.7	Ob	9700.93	11.0	"	28.95	11.3	"
40.89	74.05	10.9	Kz	00.95	11.0	Ob	29.96	11.3	"
42.10	74.93	10.8	Ob	02.95	11.1	Kz	34.95	11.3	"
42.89	76.93	10.6	"	03.94	10.4	"	35.01	9.4	Ob
43.88	79.95	11.0	"	04.94	9.6	"	35.94	10.9	Kz
45.88	81.92	11.5	Kz	05.94	10.5	"	35.98	10.9	Ob
45.93	82.93	11.3	"	05.98	10.7	Ob	38.93	10.5	Kz
46.88	83.94	11.0	"	06.92	11.0	Kz	43.95	11.7	"
46.98	84.93	11.1	"	07.04	11.0	Ob	47.94	11.0	"
47.95	85.93	11.2	"	07.92	11.5	Kz	49.95	11.0	"
59.93	85.98	10.9	Ob	08.96	11.8	Ob	49.97	11.5	Ob
62.90	86.94	10.9	"	11.91	10.4	Kz	50.96	11.5	Kz
63.92	87.01	11.2	Kz	12.96	11.0	"	50.98	11.7	Ob
63.97	87.93	11.0	"	13.96	11.0	"	51.95	11.5	Kz
	89.93	11.0	"	14.97	10.5	"	51.97	11.8	Ob

9754.97 10.8 Ob	9691.0 6.6 Yd	o Cet 星(Mira 型)	TT Cyg 星(半規則)
55.96 11.2 Kz	" 6.3 Ob	1940 I (3 Est.)	1940 I~VI (4 Est.)
55.97 10.7 Ob	95.0 6.5 Yd	242	242
UZ Aur 星(不規則)	99.0 6.6 "	9630.9 7.8 Yd	9635.9 7.8 Ob
1940 IV~V (4 Est.)	9701.0 6.7 "	36.9 7.9 "	9778.1 8.1 "
242	16.0 6.2 "	38.9 7.9 "	90.0 8.1 "
9730.0 8.3: Ob	24.0 6.1 "	T Cet 星(Mira 型)	92.0 8.3 "
45.0 8.5 "	50.0 6.2 Ob	1940 I (4 Est.)	R Dra 星(Mira 型)
48.0 8.5 "	51.0 6.1 Yd	242	1940 V (1 Est.)
52.0 8.5 "	59.1 6.0 "	9630.9 6.3 Yd	242
AG Aur 星 (RV Tau 型)	V CVn 星(Mira 型)	36.9 6.3 "	9770.0 7.4 Tr
1940 IV~V (11 Est.)	1940 II (4 Est.)	43.9 6.3 "	S Dra 星 (RV Tau 型?)
242	242	54.9 6.4 "	1940 VI (1 Est.)
9730.0 9.4 Ob	9665.1 7.6 Ot	R CrB 星(R CrB 型)	242
35.0 9.4 "	67.1 7.8 "	1940 V (1 Est.)	9790.0 8.7 Ob
36.0 9.4 "	69.1 8.0 "	242	TX Dar 星(半規則)
45.0 9.5: "	85.1 7.5 "	9759.0 6.1 Kk	1940 IV~V (4 Est.)
48.0 9.4 "	γ Cas 星(不規則)	R CrV 星(Mira 型)	242
50.0 9.3 "	1940 I~VI (13 Est.)	1940 V~VI (9 Est.)	9745.0 7.9: Tr
52.0 9.4 "	242	242	51.0 7.8 "
55.0 10.6 "	9633.9 3.0 Ot	9763.0 8.1 Tr	70.0 7.8 "
56.0 10.5 "	40.9 2.8 "	79.0 8.0 "	81.0 7.4: "
59.0 10.9 "	45.9 3.0 "	80.0 7.9 "	η Gem 星(Mira 型)
63.0 10.9 "	49.9 3.1 "	83.0 7.8 "	1940 III~IV (19 Est.)
RS Cnc 星 (RV Tau 型)	53.9 3.0 "	85.0 7.7 "	242
1940 I~V (18 Est.)	63.0 2.6: Ob	87.0 7.6 "	9701.0 3.3 Tr
242	63.9 2.8 Ot	90.0 7.5 Ob	03.9 3.3 "
9643.0 6.6 Ot	68.9 2.9 "	92.0 7.9 "	12.0 3.3 Ma
48.0 6.6 "	73.9 2.8 "	98.0 7.9: Tr	" 3.3 Mi
63.9 6.4 "	81.9 2.8 "	W Cyg 星 (RV Tau 型)	15.0 3.2 Tr
66.9 6.1 "	86.9 2.6: Ob	1940 III (1 Est.)	15.9 3.3 "
70.0 6.1: Ob	90.9 2.6: "	242	16.0 3.3 Ma
84.9 6.7 Yd	9792.2 3.1 "	9695.3 6.7 Yd	" 3.3 Mi
88.0 6.5 "	RU Cep 星 (RV Tau 型)		23.9 3.3 Tr
89.9 6.5 "	1940 VI (1 Est.)		
	242		
	9783.0 9.0 Tr		

9725.9	3.3	Ma	9752.0	9.5	Ob	9716.0	8.7	Kz	Γ Ori 星 (R CrB 型)
"	3.3	Mi	59.0	8.8:	"	30.0	8.7	Ob	1940 II~III (4Est.)
26.9	3.3	Tr	78.0	8.6:	"	45.0	8.7	"	242
27.0	3.3	Mi	90.0	8.9	"	48.0	8.5	"	9666.0 < 10.9 Tr
28.9	3.3	Tr	U Mon 星			RS Oph 星			74.0 10.6 "
29.9	3.3	"	(RV Tau 型)			(Nova 類似)			97.0 < 10.9 "
31.0	3.3	Ma	1940 III~IV (6Est.)			1940 VI (1 Est.)			9715.0 < 9.7 "
"	3.3	Mi	242			242			BL Ori 星
38.9	3.3	Ma	9695.0 6.9 Yd			9792.0 12.0 Ob			(μ Cep 型)
50.0	3.3	"	99.0 6.5 "			α Ori 星 (Irr.)			1940 I (4 Est.)
V Hya 星 (Mira 型)			9700.9 6.2 "			1940 I~IV (26 Est.)			242
1940 IV~V (5 Est.)			15.9 6.0 "			242			9632.0 6.5 Kb
242			17.0 5.7: "			9634.0 1.0 Kb			42.1 6.7 "
9730.0 7.9: Ob			24.0 6.1 "			41.1 1.0 "			47.9 6.5 "
45.0 8.9 "			X Mon 星 (Mira 型)			55.0 1.0 "			54.9 6.5 "
50.0 7.9: "			1940 II~IV (6Est.)			9712.0 0.8 Mi			CI Ori 星 (Irr.)
55.1 8.1 "			242			12.9 0.8 "			1940 I~III (7 Est.)
78.0 7.9 "			9687.0 7.7 Ob			14.0 0.8 "			242
Y Hya 星 (半規則)			90.9 7.0 "			" 0.8 Ma			9637.0 4.7 Ob
1940 IV~V (4 Est.)			9701.0 8.5: "			15.9 0.8 "			37.9 4.7 "
242			30.0 9.2: "			" 0.8 Mi			38.9 4.7 "
9730.0 8.3 Ob			45.0 9.7: "			16.9 0.8 Ma			63.0 4.7 "
45.0 8.0 "			48.0 9.8 "			17.0 0.8 Mi			70.0 4.7 "
50.0 8.3 "			RY Mon 星 (Mira 型)			18.0 0.9 "			86.9 4.9 "
55.0 7.8 "			1940 II~IV (15Est.)			" 0.8 Ma			90.9 5.2 "
R Leo 星 (Mira 型)			242			25.9 0.8 "			L ² Pup 星 (Mira 型)
1940 II~VI (12Est.)			9667.9 8.8 Kz			" 0.8 Mi			1940 I (1 Est.)
242			68.0 8.0: Ob			27.0 0.8 Ma			242
9674.0 9.6 Ob			70.0 8.0: "			28.9 0.8 "			9668.0 3.5 Tr
86.0 10.1 "			74.0 8.5 Kz			" 0.8 Ma			RR Sco 星 (Mira 型)
91.0 9.9 "			81.9 8.3 "			30.0 0.8 "			1940 VI (2 Est.)
9701.0 10.2 "			86.0 8.8 Ob			31.0 0.8 "			242
06.0 10.2 "			88.0 8.5 Kz			" 0.8 Mi			9790.1 6.4 Ob
29.9 9.9: "			90.0 8.9: Ob			35.0 0.8 Ma			92.0 6.9 "
45.0 9.9 "			99.0 8.7 Kz			36.0 0.8 "			
50.0 9.4 "			9701.0 8.7 Ob			37.0 0.8 "			
			05.9 8.6 Kz			38.9 0.8 "			

V380 Sco 星 (Mira型)	RR Tau 星 (Irr.)	9692.9 12.2 Kz	9747.9 12.2 Kz
1940 VI (2 Est.)	1939 IX~1940 V (63 Est.)	94.9 12.3 "	50.0 12.3 "
242	242	98.0 12.1 "	" 12.8 Ob
9790.1 9.5 Ob	9530.2 13.6 Kz	99.0 12.3 "	51.0 <12.3 Kz
92.0 9.6 "	9640.9 11.7 "	9700.9 12.1 "	" 13.0: Ob
R Scl 星 (Mira型)	42.1 12.0 "	03.0 12.3 "	52.0 12.7 Kz
1940 I (1 Est.)	42.9 12.3 "	03.9 12.0 "	" 12.6: Ob
242	43.9 12.2 "	04.9 12.0 "	55.0 13.2: "
9635.9 7.8: Ob	45.9 12.3 "	05.9 12.0 "	56.0 <12.2 Kz
R Sct 星 (半規則)	46.9 12.4 "	06.0 12.4 Ob	" <12.6 Ob
1940 VI (1 Est.)	59.9 12.0 "	06.9 12.1 Kz	59.0 <12.6 "
242	62.9 11.4 "	07.0 12.4 Ob	SU Tau 星 (R CrB 型)
9792.3 5.8: Ob	63.9 11.6 "	07.9 12.1 Kz	1940 I~II (4 Est.)
Y Tau 星 (Mira型)	64.9 11.7 "	09.0 12.4: Ob	242
1940 II~IV (8 Est.)	66.9 11.9 "	11.9 12.9 Kz	9632.0 9.0: Kb
242	67.9 11.5 "	12.9 12.6 "	42.1 9.5 "
9688.0 8.2 Yd	68.9 11.9 "	14.0 13.0 "	54.9 9.3 "
91.0 8.2 "	74.0 11.9 "	15.0 13.0 "	67.9 9.5 Kk
95.0 8.2 "	81.9 12.0 "	15.9 13.0 "	SW Vir 星 (Mira型)
99.0 8.2 "	82.9 12.1 "	17.0 13.1 "	1940 III~V (2 Est.)
9700.9 8.2 "	83.9 12.1 "	24.0 12.7 "	242
15.9 8.3 "	84.9 12.1 "	26.0 12.6 "	9717.0 8.0 Yd
17.0 8.1 "	85.9 12.3 "	26.9 12.7 "	59.1 8.6 "
25.0 8.0 "	87.0 12.3 "	35.0 12.4 Ob	
	87.9 12.5 "	35.9 12.0 Kz	
	89.9 12.3 "	36.0 12.4 Ob	
	90.9 12.5 "	38.9 12.0 Kz	
		44.0 11.5 "	

R CMa (Tr), ζ Gem (Tr), Nova Mon 1939 (Tr) 都合により發表延期
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Fed. 0, J. D.=2429660

Mar. 0, J. D.=2429689

Apr. 0, J. D.=2429720

May 0, J. D.=2429750

June 0, J. D.=2429781

1939年度變星極大極小の觀測

Observed Max. and Min. of Long Period Variable Stars for 1939.

Star	Max.				Min.			
	J. D.	1939	Mag.	Wt.	J. D.	1939	Mag.	Wt.
T Cet	242	—	—	—	242	—	—	—
X Mon	9366	IV 12	7.4	2	9560	X 23	6.8	2
U Ori	9302	II 7	7.3	2	—	—	—	—